



Towbar Fitting Instructions
To Suit **QTFD1913L**
Part Number **FORD ESCAPE ZG CL4**
Rating **1800/180 kg**

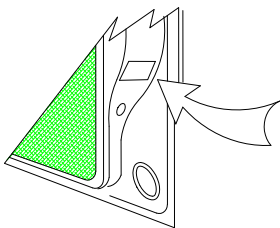
PLACE THESE INSTRUCTIONS IN THE VEHICLE'S GLOVEBOX AFTER INSTALLATION IS COMPLETED

WARNING:

1. Do not, drill, cut, weld or otherwise modify the tow bar.
2. If you are using electric welding on a motor vehicle, **always** check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could **destroy** any onboard computers. If in doubt, check with the vehicle's manufacturer.
3. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorised **Trailboss** dealer if further information is required.
4. If TBM is used in inverted position tow ball may make contact with rear tailgate when lowered, which could cause damage.

General:

1. Ensure all hardware items have been included refer to assembly diagram.
2. It is recommended that the instructions are read through and completely understood before making any attempt to fit this product.
3. Be wary of any changes to vehicle designs or other accessories that may conflict with the installation of this product.
4. Before drilling ensure that the area is clear of fuel, electrical & other components.
5. All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.
6. For vehicles that require the bumper to be cut. Ensure cut out area is in correct position on the vehicle prior to cutting the bumper.
7. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorized **Trailboss** dealer if further information is required.
8. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
9. Tow bar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
10. Trailboss recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
11. **PLEASE NOTE:** It is advised to remove your LUG or TBM when not actually towing so as to produce a clear view of the vehicles registration plate if obscured, and to also provide maximum available departure angle



Place load rating sticker
inside driver's door here

FOR TRAILER TOWING PURPOSES ONLY
For towing capacity details please refer to vehicle owner's manual or to the manufacturer. Overloading can void your warranties.

RECOMMENDED ASSEMBLY TORQUE LISTING

Diameter	Grade 8.8 Bolt
M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3Nm
M14	146 Nm
M16	189.8 Nm

Tow bar Maintenance and Care.

Trailboss recommends that bolt torque's, as listed below, are routinely and regularly inspected and checked for correct tension. Replace any worn or defective parts.

We recommended to remove Tow Ball Mounts (TBM's, tongues or lugs) when not being used for any considerable length of time.

So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

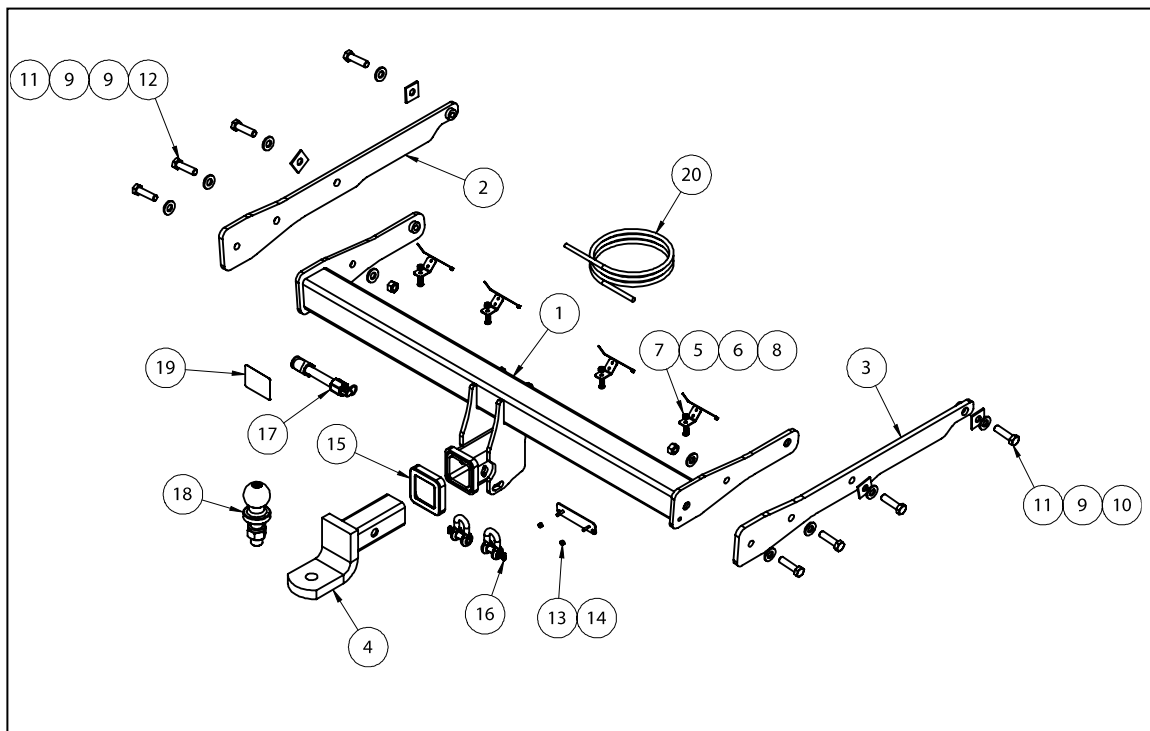
Hitch Pull Pins and spring "R" clips are regularly checked for proper installation. Replace any worn or defective parts.

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ITEM	DESCRIPTION	QTY
1	FORD ESCAPE WELDED ASSY	1
2	SIDE ARM ASSY,LH	1
3	SIDE ARM ASSY,RH	1
4	TRAILER BALL MOUNT	1
5	BOOT SENSOR BRACKET	4
6	SCREW BUTTON HD M6x16x1P	4
7	NYLOC NUT M6-1.00 Z/P	4
8	CABLE TIE 102x2.5MM BLK CT102B	4
9	WASHER PLAIN 1/2x1-1/8x16G	10
10	LOOSE PLATE 32 X 3 X 32 - 13 HOLE	4
11	SET SCREW M12x45x1.25P	8

ITEM	DESCRIPTION	QTY
12	NUT HEX HD M12x1.25P	2
13	PLUG BRACKET	1
14	NUT NYLOC M4-0.7 Z/P	2
15	HITCH BOX COLLAR COVER	1
16	"D" SHACKLE 10MM	2
17	SILENT HITCH PIN – SILVER	1
18	TOWBALL 50MM	1
19	ACRYLIC COMPLIANCE LABEL	1
20	WIRING LOOM	1

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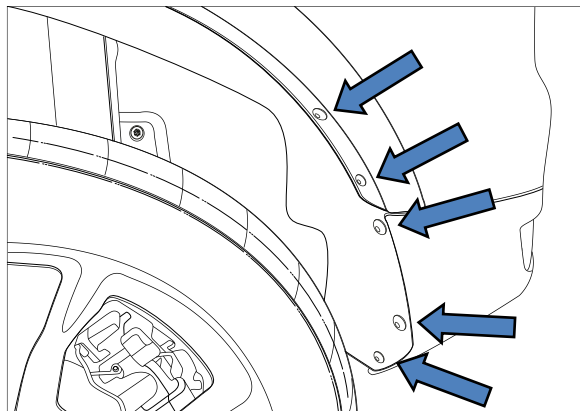


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1. Remove 5x plastic scrivets inside wheel arch.

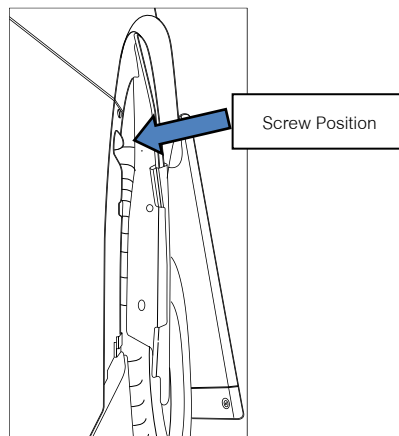
Repeat for the opposite side.



2. Un-clip wheel arch skirting (2 x clips and 2 x retainer clips) to expose screw at top edge of bumper.

3. Remove the screw

Repeat for the opposite side.

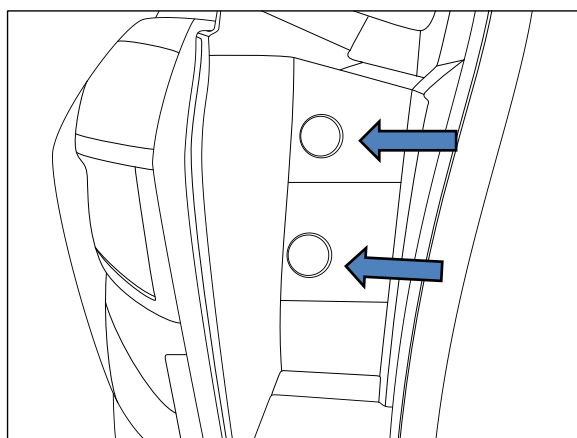


4. Inside boot cavity, remove the 2 x plastic caps to expose screws securing the light assembly.

5. Remove the screws.

6. Remove light assembly (apply force rearwards) and disconnect the wiring harness.

Repeat the steps for opposite side.



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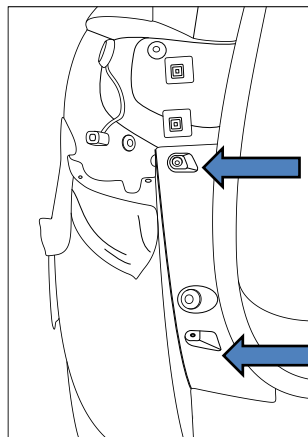


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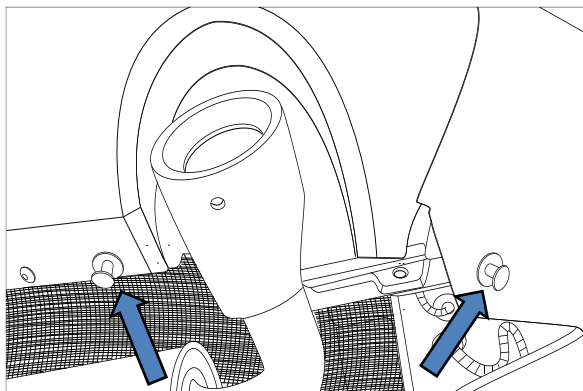
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7. Inside boot cavity, remove 2 x screws securing the bumper.

Repeat for opposite side.

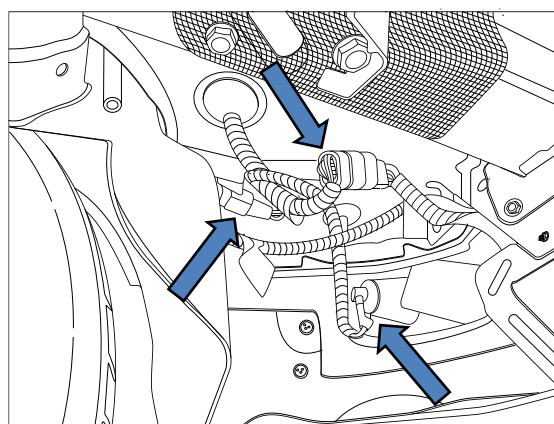


8. Remove 4 x scrivenets located under and along the width of the bumper. (2 x RHS, 2 x LHS)



9. Under RH side of bumper disconnect the 3 x wiring harnesses.

1. RH side fog light. (Repeat for LH side).
2. Main harness and remove from chassis panel.
3. Sensor harness and remove from chassis panel



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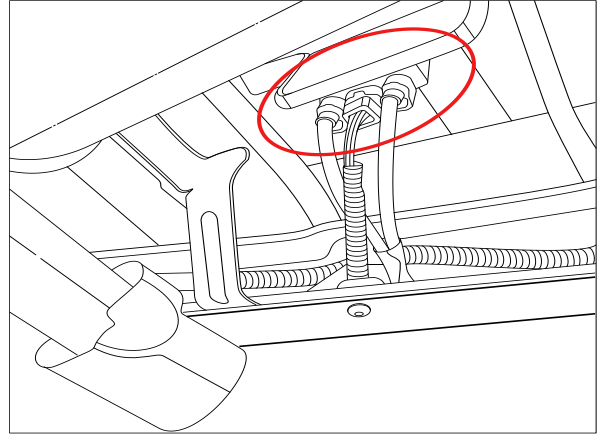
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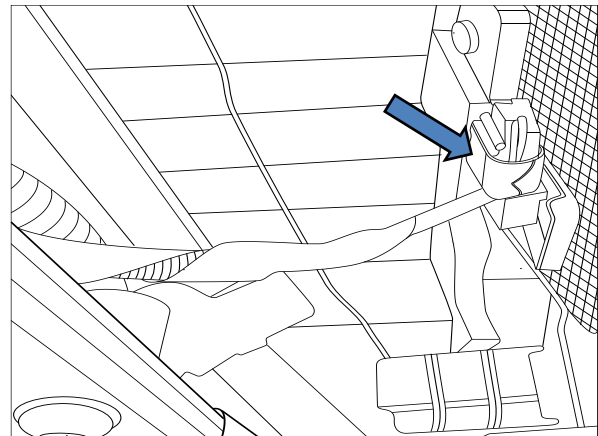
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10. Under bumper, inside of RH exhaust tailpipe, disconnect the 3 harness connectors.



11. Under bumper, towards RH side, disconnect sensor harness.



12. Peel away from the ends and remove the bumper assembly.

Ensure that no other sensors are connected to the bumper.

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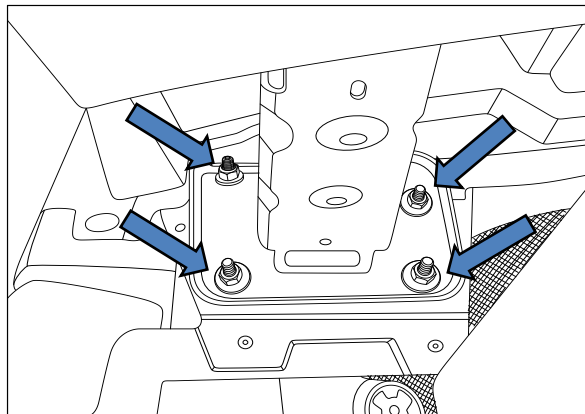


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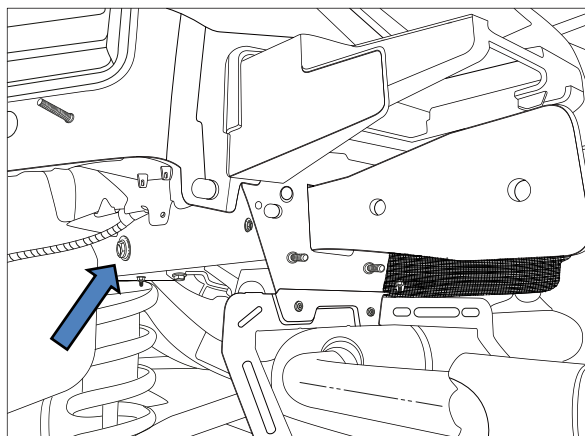
13. Remove and discard the impact beam, secured with 4 x nuts on LH.

Repeat for opposite side.



14. Insert side arms into chassis and loosely attach the most forward position using 1x M12 bolts complete with 1x washers and 1x washer plate.

Repeat for the opposite side



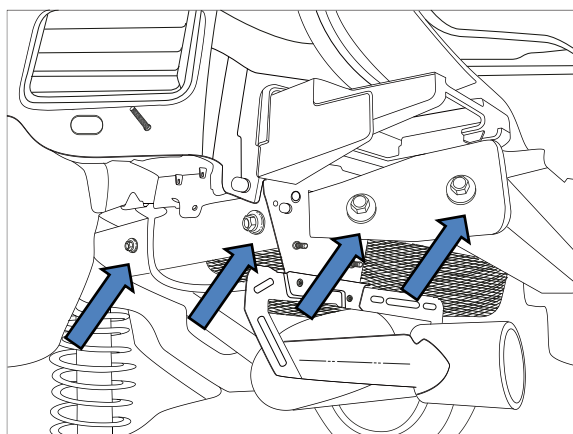
15. Loosely attach centre section of the towbar to the side arms.

Fasteners as fitted from the rear:

- 1x M12 bolt complete with 1x washer (into crosstube).
- 1x M12 bolt complete with 2x washer and 1x nut.
- 1x M12 bolt complete with 1x washer and 1x washer plate.

Repeat for opposite side.

Position the towbar and torque all fasteners to 125Nm.



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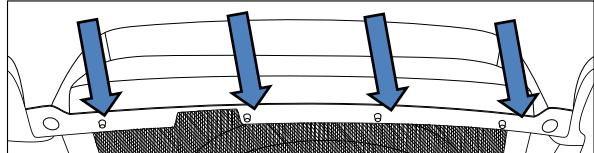


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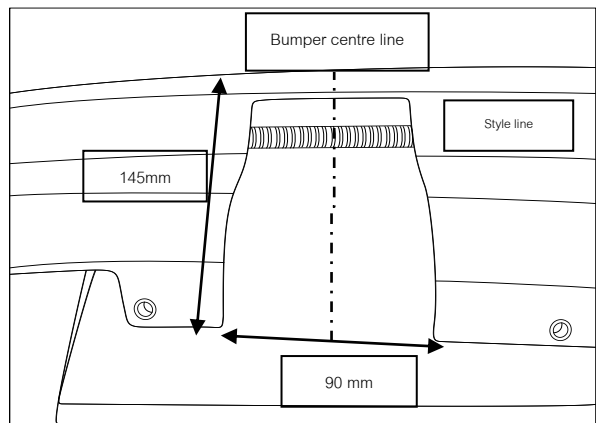
For vehicle fitted with a foot activated boot sensor.

16. On the bumper, remove the 4x screws securing the automatic boot sensor wire cover and remove the automatic boot sensor.

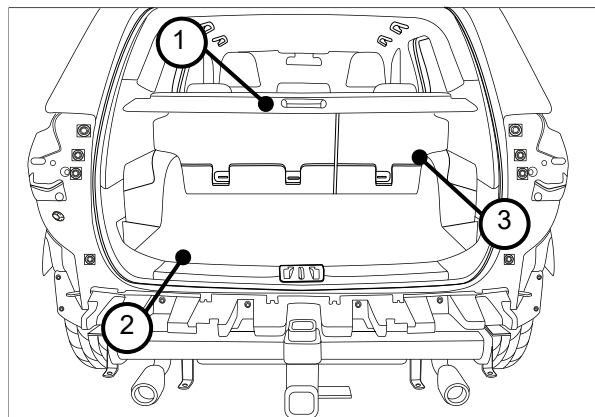


17. Locate the centre (use inside emboss for reference) and perform the bumper cut 90mm wide x 145mm long measured outside, from the bottom edge of the bumper (up to style line).

Ensure that all harnesses are clear prior to cutting the bumper.



18. In the luggage compartment, remove the sunshade (1).
19. Remove the floor carpet cover (1).
20. Fold the rear seats (3) down.



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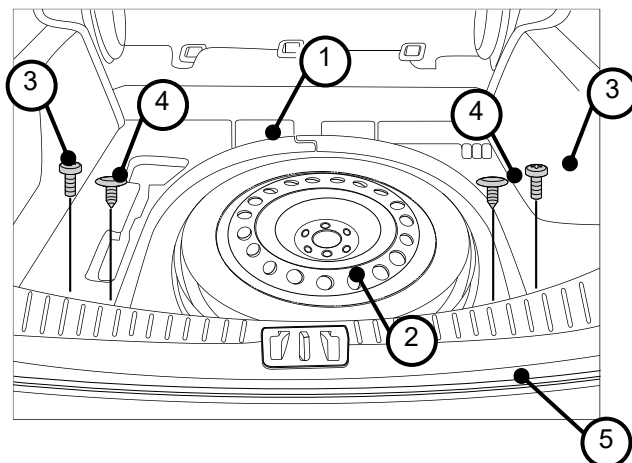
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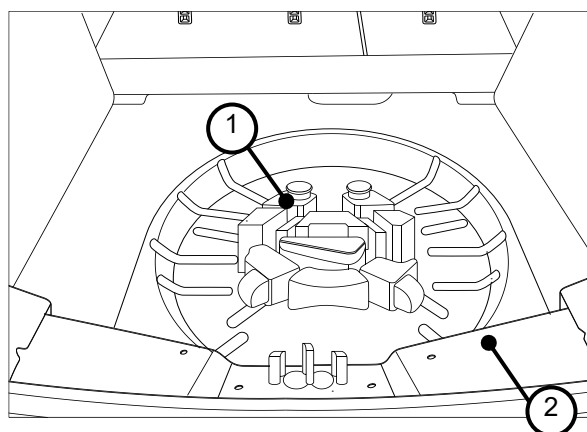
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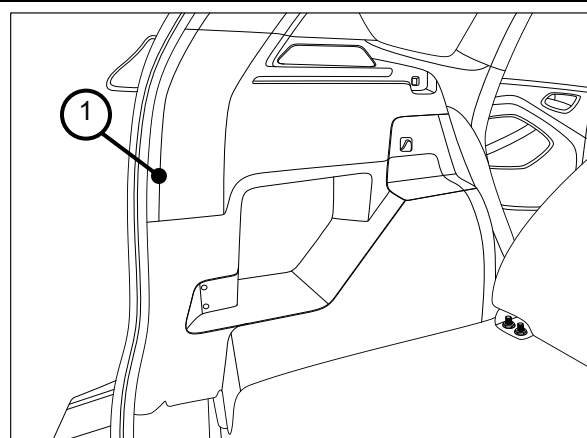
- 21. Remove the tool trays (1).
- 22. Remove the spare wheel (2).
- 23. Remove the two torx screws (3) and two scrivenets (4) from the rear luggage scuff plate (5).
- 24. Remove the rear luggage scuff plate (5).



- 25. Remove the jack assembly (1) from under the spare wheel.
- 26. Fold the floor covering (2) forward onto the rear seats.



- 27. Dislodge the LHS luggage compartment trim (1).
- 28. Carefully dislodge the RHS luggage compartment trim and disconnect both the light connector and 12v socket.
- 29. Remove the RHS upper luggage compartment trim.



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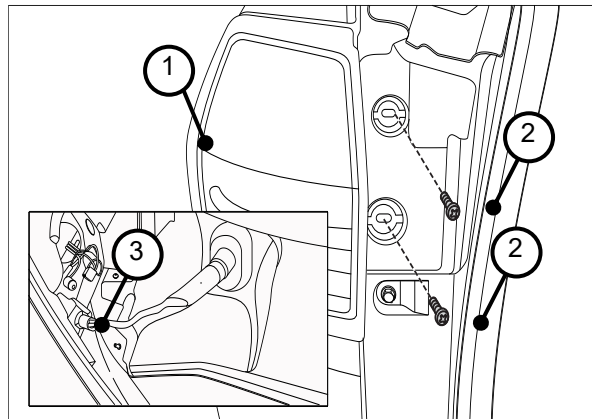
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30. Remove the two LHS tail light (1) screws (2).

31. Disconnect the tail light assembly connector (3).

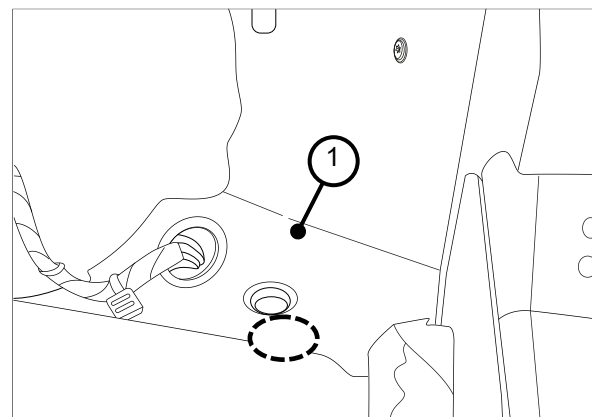
32. Remove the tail light (1).

Repeat for the RHS.



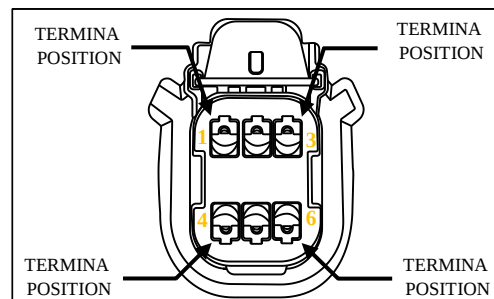
33. On the inside RHS rear corner of the luggage compartment, drill a Ø30mm hole.

34. File any rough or sharp edges and spray with rust inhibitor.



35. At the LHS branch on the patch harness (101639-WL) house the female terminal:
- Yellow/Black wire into position 3
- White wire into position 6

Note: Connector rear view.



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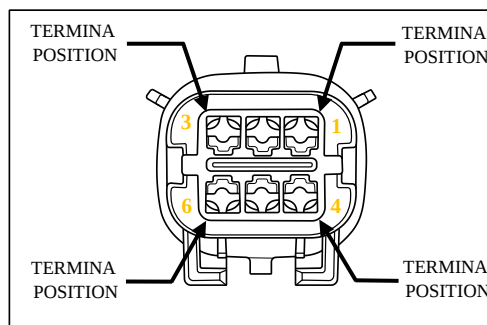


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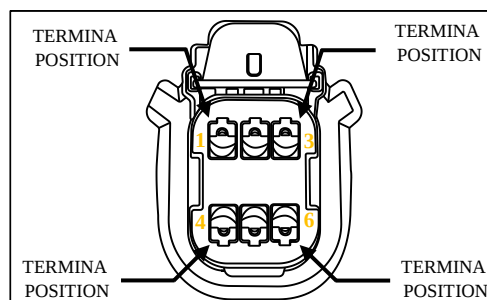
36. At the LHS branch on the patch harness house the male terminal:
- Yellow/Black wire into position 3
 - White wire into position 6

Note: Connector rear view.



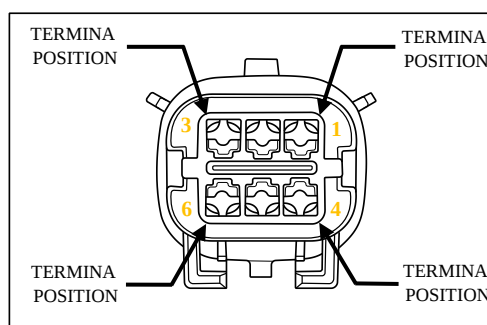
37. At the RHS branch on the patch harness house the female terminal:
- Green/Black into position 3
 - Red/Black into position 2
 - Brown/Black into position 1
 - White wire into position 6

Note: Connector rear view.



38. At the RHS branch on the patch harness house the male terminal:
- Green/Black into position 3
 - Red/Black into position 2
 - Brown/Black into position 1
 - White wire into position 6

Note: Connector rear view.



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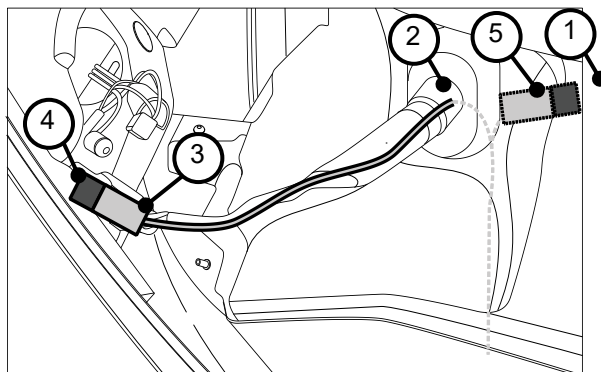
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39. Push the existing LHS tail light assembly connector (1) through the vehicle grommet hole.

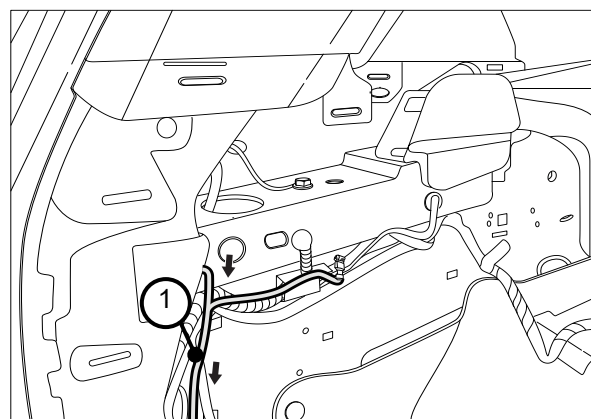
40. Feed the trailer patch grommet (2), through the existing grommet hole and connect the trailer patch connector (3) to the rear of the LHS tail light assembly (4).

Note: Ensure the grommet (2) is firmly secured.

41. Connect other trailer patch connector (5) to the previously disconnected LHS tail light assembly connector (1).



42. Route the trailer patch harness (1) towards the RHS of the vehicle.

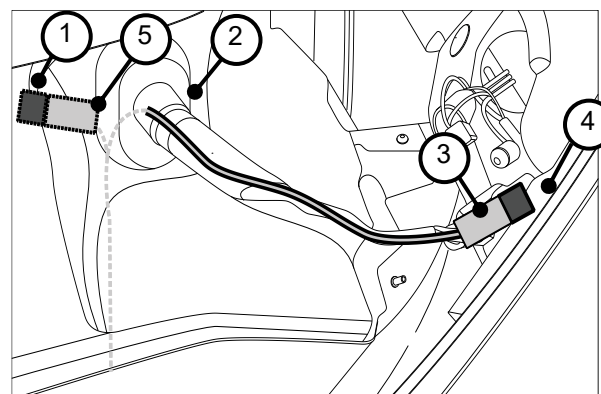


43. Push the existing RHS tail light assembly connector (1) through the vehicle grommet hole.

44. Feed the trailer patch grommet (2), through the existing the grommet hole and connect the trailer patch connector (3) to the rear of the RHS tail light assembly (4).

Note: Ensure the grommet (2) is firmly secured.

45. Connect other trailer patch connector (5) to the previously disconnected RHS tail light assembly connector (1).



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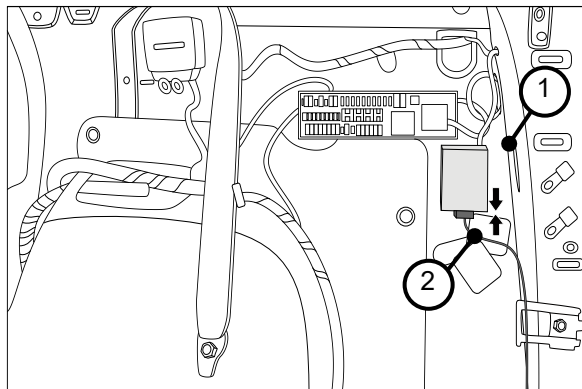
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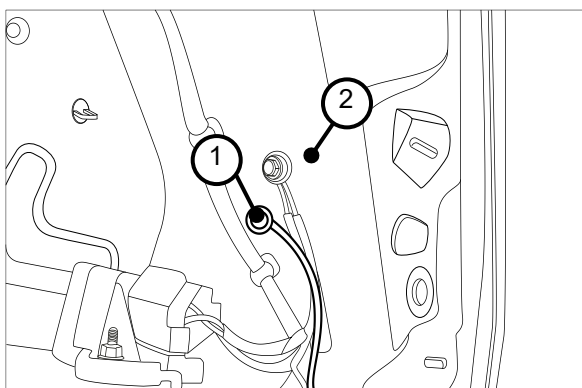
46. Inside the RHS luggage compartment, apply double sided tape to the ECU (1) and secure it to the vehicle sheet metal in the area shown.

47. Connect the trailer patch 12-way connector (2) to the ECU.

Note: Ensure ECU connector is facing downwards.



48. Secure the trailer patch ground ring terminal (1) to the existing vehicle grounding point (2) in the upper RHS area.

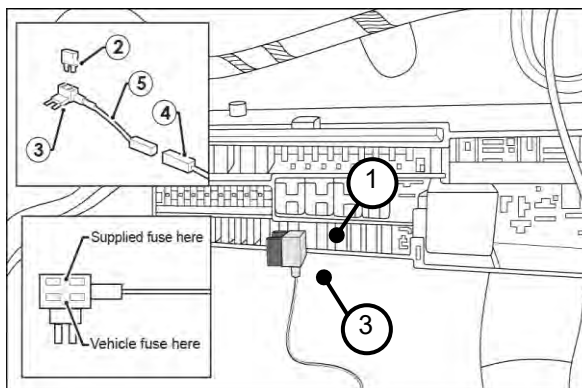


49. Inside the fuse panel, locate the vacant slot (1) as shown (**if there is a vehicle fuse, remove and keep**).

50. Insert the supplied 20-amp fuse (2) into the upper slot of the add-a-fuse (3).

51. Plug the add-a-fuse (3) into the vacant slot (1) on the fuse panel (**if there is a vehicle fuse, insert it into the lower slot as shown**).

52. Connect the power patch 1-way connector (4) into the add-a-fuse harness mating connector (5).



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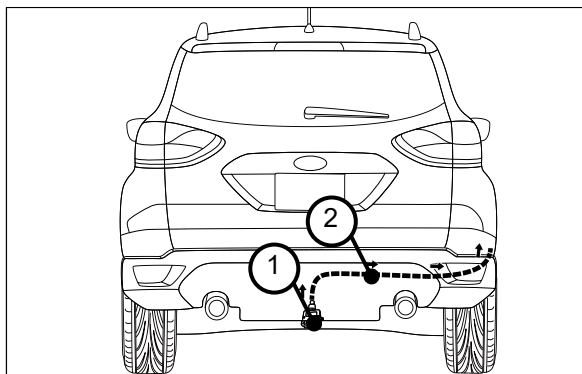
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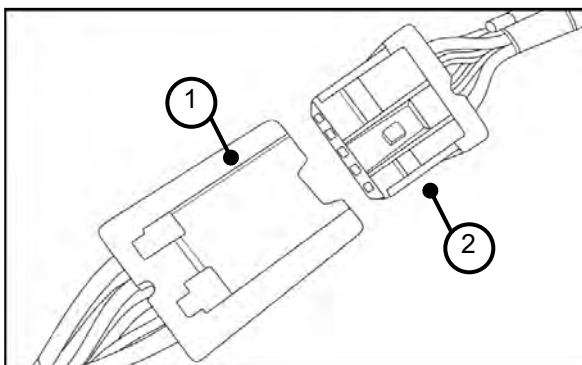
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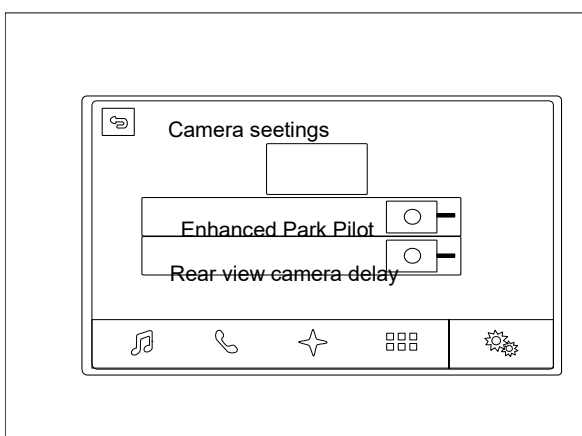
53. Mount the trailer socket (1) to the tow bar mounting bracket using M4 fasteners (not supplied).
54. Route the tail harness (2) across the tow bar towards the RHS of the vehicle and up through the previously drilled out hole.
55. Ensure the tail harness grommet is seated correctly and secure in place using a cable tie (not supplied).



56. Connect the tail harness (tail length 1800mm) 8-way connector (1) to the trailer patch mating 8-way connector (2).



57. The RPA function can be disabled within the onboard vehicle settings.
58. Test the trailer patch function using a light board or multi meter.
59. Secure all harnesses using cable ties (not supplied).
60. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
61. Place the fitting instructions in the glove box after fitment.



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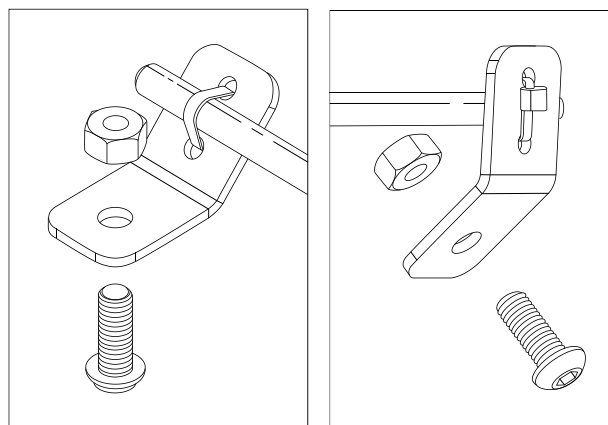
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62. Refit the bumper and follow steps 1 to 12 in reverse order to reinstall the vehicle components.

63. If the vehicle was fitted with a foot activated boot sensor. (Removed in step 16).

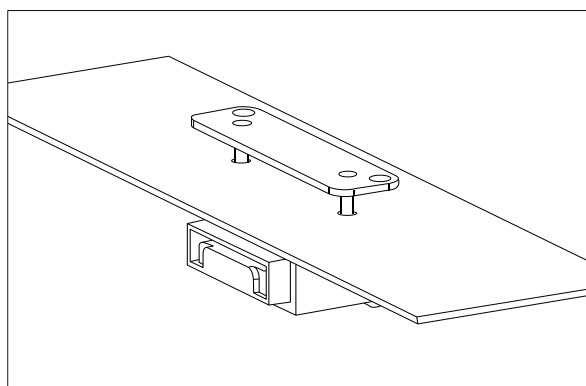
Re-fit the sensor wire to the inside lower edge of the bumper using the 4 x angled brackets complete with 1x 6mm Bolt and 1 x Nut through the single hole and attach the sensor wire itself using 1x small cable tie provided through the 2 smaller holes on each bracket as shown.

Ensure the sensor plug is reconnected to the main harness.



64. Determine an appropriate position for the plug bracket. Mark out and drill 2x ø5mm holes 69mm apart on bumper skin to support plug bracket.

Ensure that all wires are clear during this process.



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